## WHAT IS CLAIMED IS:

data.

- 1. A method of estimating usage of a component within an application environment, wherein the method comprises: conditioning data regarding workload and utilization of a component; and determining an estimated usage of the component for a transaction type, wherein determining the estimated usage is performed during or after conditioning the
- 2. The method of claim 1, further comprising: separating the data into sub-sets;
  - determining an averaged estimated usage from the estimated usages for the sub-sets; and
  - performing a significance test using the estimated usages for the sub-sets,
  - wherein determining an estimated usage comprises '
    determining an estimated usage for each of the sub-sets.
- 3. The method of claim 1, wherein conditioning includes one or more of:

smoothing the data; filtering the data; and determining an accuracy for the estimated usage.

4. The method of claim 1, wherein the data is asynchronous.

- 5. The method of claim 1, wherein determining the estimated usage is performed using regression.
- 6. The method of claim 1, wherein:

the method further comprises collecting the data asynchronously;

conditioning comprises:

smoothing the data before determining the estimated usage; and

filtering the data before determining the estimated usage;

determining the estimated usage is performed using regression; and

the method further comprises determining an accuracy for the estimated usage.

- 7. The method of claim 6, further comprising:
  - separating the data into sub-sets;
  - determining an averaged estimated usage from the estimated.
    usages for the sub-sets; and
  - performing a significance test using the estimated usages for the sub-sets,
  - wherein determining an estimated usage comprises determining an estimated usage for each of the subsets;.
- 8. An apparatus operable for carrying out the method of claim 1.

- 9. A method of estimating usage of a component within an application environment, wherein the method comprises: accessing data regarding workload and utilization of the component; and
  - determining an estimated usage of the component for a transaction type, wherein determining is performed using a mechanism that is designed to work with a collinear relationship.
- 10. The method of claim 9, further comprising conditioning the data before determining the estimated usage.
- 11. The method of claim 10, wherein conditioning includes one or more of:

smoothing the data; filtering the data; and

determining an accuracy for the estimated usage.

- 12. The method of claim 9, further comprising:
  - separating the data into sub-sets;
  - determining an averaged estimated usage from the estimated usages for the sub-sets; and
  - performing a significance test using the estimated usages for the sub-sets,
  - wherein determining an estimated usage comprises determining an estimated usage for each of the subsets;.
- 13. The method of claim 9, wherein the data is asynchronous.

- 14. The method of claim 9, wherein determining the estimated usage is performed using a ridge regression.
- 15. An apparatus operable for carrying out the method of claim 9.

- 16. A method of estimating usage of a component within an application environment, wherein the method comprises: separating data regarding workload and utilization of the component into sub-sets; for each of the sub-sets, determining an estimated usage of the component for a transaction type; and performing a significance test using the estimated usages for the sub-sets.
- 17. The method of claim 16, wherein the data is asynchronous.
- 18. The method of claim 16, wherein determining estimated usages are performed using regression.
- 19. An apparatus operable for carrying out the method of claim 16.

- 20. A data processing system readable medium having code for estimating usage of a component within an application environment, wherein the code is embodied within the data processing system readable medium, the code comprising:
  - an instruction for conditioning data regarding workload and utilization of a component; and
  - an instruction for determining an estimated usage of the component for a transaction type, wherein the instruction for determining the estimated usage is executed during or after the instruction for conditioning the data.
- 21. The data processing system readable medium of claim 20, wherein the code further comprises:
  - an instruction for separating the data into sub-sets;
  - an instruction for determining an averaged estimated usage from the estimated usages for the sub-sets; and
  - an instruction for performing a significance test using the estimated usages for the sub-sets,
  - wherein the instruction for determining an estimated usage comprises an instruction for determining an estimated usage for each of the sub-sets.
- 22. The data processing system readable medium of claim 20, wherein the instruction for conditioning includes one or more of:
  - an instruction for smoothing the data; and instruction for filtering the data; and

- an instruction for determining an accuracy for the estimated usage.
- 23. The data processing system readable medium of claim 20, wherein the data is asynchronous.
- 24. The data processing system readable medium of claim 20, wherein the instruction for determining the estimated usage comprises an instruction for determining the estimated usage using regression.
- 25. The data processing system readable medium of claim 20, wherein:
  - the code further comprises an instruction for collecting the data asynchronously;
  - the instruction for conditioning comprises:
    - an instruction for smoothing the data before determining the estimated usage; and
    - an instruction for filtering the data before executing the instruction for determining the estimated usage;
  - the instruction for determining the estimated usage is executed using regression; and
  - the code further comprises an instruction for determining an accuracy for the estimated usage.

- 26. The data processing system readable medium of claim 25, wherein the code further comprises:
  - an instruction for separating the data into sub-sets;
  - an instruction for determining an averaged estimated usage from the estimated usages for the sub-sets; and
  - an instruction for performing a significance test using the estimated usages for the sub-sets,
  - wherein the instruction for determining an estimated usage comprises an instruction for determining an estimated usage for each of the sub-sets.

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- 27. A data processing system readable medium having code for estimating usage of a component within an application environment, wherein the code is embodied within the data processing system readable medium, the code comprising:
  - an instruction for accessing data regarding workload and utilization of the component; and
  - an instruction for determining an estimated usage of the component for a transaction type, wherein the instruction for determining is executing using a mechanism that is designed to work with a collinear relationship.
- 28. The data processing system readable medium of claim 27, wherein the code further comprises an instruction for conditioning the data before executing the instruction for determining the estimated usage.
- 29. The data processing system readable medium of claim 28, wherein the instruction for conditioning includes one or more of:
  - an instruction for smoothing the data;
  - an instruction for filtering the data; and
  - an instruction for determining an accuracy for the estimated usage.

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- 30. The data processing system readable medium of claim 27, wherein the code further comprises:
  - an instruction for separating the data into sub-sets;
  - an instruction for determining an averaged estimated usage from the estimated usages for the sub-sets; and
  - an instruction for performing a significance test using the estimated usages for the sub-sets,
  - wherein the instruction for determining an estimated usage comprises an instruction for determining an estimated usage for each of the sub-sets.
- 31. The data processing system readable medium of claim 27, wherein the data is asynchronous.
- 32. The data processing system readable medium of claim 27, wherein the instruction for determining the estimated usage comprises an instruction for determining the estimated usage using ridge regression.

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- 33. A data processing system readable medium having code for estimating usage of a component within an application environment, wherein the code is embodied within the data processing system readable medium, the code comprising:
  - an instruction for separating data regarding workload and utilization of the component into sub-sets;
  - for each of the sub-sets, an instruction for determining an estimated usage of the component for a transaction type; and
  - an instruction for performing a significance test using the estimated usages for the sub-sets.
- 34. The data processing system readable medium of claim 33, wherein the data is asynchronous.
- 35. The data processing system readable medium of claim 33, wherein the instruction for determining estimated usages comprises an instruction for determining estimated usages using regression.